

Appendix E

Greenhouse Gas Emissions

- CalEEMod Assumptions and Data Input Modifications
- 3rd and Fairfax Mixed-Use Project - Existing Conditions – Annual
- 3rd and Fairfax Mixed-Use Project – Without GHG Reduction Feature and Mitigation Measures - Annual
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CalEEMod Assumptions and Data Input Modifications

The following information outlines the changes made to the input data for the CalEEMod program to better align with LADOT's VMT Calculator. The VMT calculations provided in the Supplemental VMT Traffic Analysis (provided in Appendix H.1 to the Draft EIR) is based on City and community specific traffic model data and provides for a more accurate analysis of VMT than the default data provided in CalEEMod. However, because the LADOT's VMT Calculator is not entirely aligned with the input data and program methodology applied in CalEEMod, and does not account for weekend or pass-by trips, several adjustments to the model were required. The following outlines the steps that were taken to calculate the Project's mobile source emissions in CalEEMod using the data that is provided in the VMT-based traffic model.

1. The VMT Calculator is based on different trip generation rates and travel patterns than the CalEEMod program. Therefore, the average daily trips is consolidated for the entire project, as opposed to each land use type.
2. A user defined land use ("User Defined Commercial") was created to calculate Project Trips and VMTs. This land use category aggregates the trips and trip lengths for the project as a whole.
3. All trip data and trip type data was deleted from the individual land uses as the "User Defined Commercial" land use category aggregates all of the trip data for the project as a whole.
4. The average trip length was derived by dividing the total VMTs estimated in the LADOT VMT Calculator tool by the average daily trips.
5. The LADOT VMT Calculator tool factors in weekday trips only. Therefore, estimates for Saturday and Sunday trips were provided based on the ratio of Weekday to Weekend trips using CalEEMod default ITE trip rate data.
6. The LADOT VMT Calculator tool does not factor in pass-by trips. Therefore, a second user defined land use ("User Defined Parking") was included to capture VMTs from pass-by trips. Pass-by trips were estimated based on ITE Trip Generation rates provided by LLG Traffic Engineers.

EXISTING CONDITIONS		WEEKDAY	SATURDAY		SUNDAY	
		%	%	Trips	%	Trips
Daily Trips	VMT Calculator Tool	4,696	121%	5,669	64%	2,996
	ITE Trip Generation	5,232		6,316		3,338
	VMT	32,405		39,119		20,674
	Ave. Trip Length	6.90		6.90		6.90
	Pass-By Trips	1,511		1,832		928

PROPOSED PROJECT		WEEKDAY	SATURDAY		SUNDAY	
		%	%	Trips	%	Trips
Daily Trips	VMT Calculator Tool	6,571	144%	9,479	132%	8,705
	ITE Trip Generation	7,714		11,128		10,219
	VMT	43,914		63,349		58,174
	Ave. Trip Length	6.68		6.68		6.68
	Pass-By Trips	2,384		3,806		3,486

PROPOSED PROJECT WITH MITIGATION		WEEKDAY	SATURDAY		SUNDAY	
		%	%	Trips	%	Trips
Daily Trips	VMT Calculator Tool	6,143	144%	8,862	132%	8,138
	ITE Trip Generation	7,714		11,128		10,219
	VMT	41,197		59,430		54,575
	Ave. Trip Length	6.71		6.71		6.71
	Pass-By Trips[a]	2,384		3,806		3,486

[a] The estimate for pass-by trips was assumed to be the same as indicated for the Proposed Project as these trips would not be affected by the Project's trip-reducing mitigation measures.

PROJECT WITHOUT GHG REDUCTION MEASURES OR MITIGATION MEASURES

		WEEKDAY	SATURDAY		SUNDAY	
		%	%	Trips	%	Trips
Daily Trips	VMT Calculator Tool	9,648	144%	13,918	132%	12,781
	ITE Trip Generation					
	VMT	64,320		92,786		85,207
	Ave. Trip Length	6.67		6.67		6.67
	Pass-By Trips[a]	2,384		3,806		3,486

[a] The estimate for pass-by trips was assumed to be the same as indicated for the Proposed Project as these trips would not be affected by the Project's trip-reducing mitigation measures.

3rd and Fairfax Mixed-Use Project - Existing Conditions - South Coast AQMD Air District, Annual

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South Coast AQMD Air District, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
User Defined Commercial	1.00	User Defined Unit	0.00	0.00	0
User Defined Parking	1.00	User Defined Unit	0.00	0.00	0
High Turnover (Sit Down Restaurant)	6.08	1000sqft	0.15	6,085.00	0
Regional Shopping Center	144.96	1000sqft	3.00	144,963.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	31
Climate Zone	11			Operational Year	2018
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MW hr)	1227.89	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - User defined commercial is a surrogate for estimating mobile source emissions based on LADOT's VMT calculator. User defined parking is a surrogate for pass by trips associated with existing uses (not included in LADOT's VMT calculations)

Vehicle Trips - See CalEEMod data assumptions page.

Stationary Sources - Emergency Generators and Fire Pumps -

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Table Name	Column Name	Default Value	New Value
tblLandUse	LandUseSquareFeet	6,080.00	6,085.00
tblLandUse	LandUseSquareFeet	144,960.00	144,963.00
tblLandUse	LotAcreage	0.14	0.15
tblLandUse	LotAcreage	3.33	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	UsageHours	8.00	1.00
tblTripsAndVMT	WorkerTripNumber	3.00	0.00
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CC_TL	8.40	6.90
tblVehicleTrips	CC_TL	8.40	0.10
tblVehicleTrips	CC_TTP	72.50	0.00
tblVehicleTrips	CC_TTP	64.70	0.00
tblVehicleTrips	CC_TTP	0.00	100.00
tblVehicleTrips	CC_TTP	0.00	100.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TTP	19.00	0.00
tblVehicleTrips	CNW_TTP	19.00	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TTP	8.50	0.00
tblVehicleTrips	CW_TTP	16.30	0.00
tblVehicleTrips	DV_TP	20.00	0.00

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tblVehicleTrips	DV_TP	35.00	0.00
tblVehicleTrips	PB_TP	43.00	0.00
tblVehicleTrips	PB_TP	11.00	0.00
tblVehicleTrips	PR_TP	37.00	0.00
tblVehicleTrips	PR_TP	54.00	0.00
tblVehicleTrips	PR_TP	0.00	100.00
tblVehicleTrips	PR_TP	0.00	100.00
tblVehicleTrips	ST_TR	158.37	0.00
tblVehicleTrips	ST_TR	49.97	0.00
tblVehicleTrips	ST_TR	0.00	5,669.00
tblVehicleTrips	ST_TR	0.00	1,832.00
tblVehicleTrips	SU_TR	131.84	0.00
tblVehicleTrips	SU_TR	25.24	0.00
tblVehicleTrips	SU_TR	0.00	2,996.00
tblVehicleTrips	SU_TR	0.00	928.00
tblVehicleTrips	WD_TR	127.15	0.00
tblVehicleTrips	WD_TR	42.70	0.00
tblVehicleTrips	WD_TR	0.00	4,696.00
tblVehicleTrips	WD_TR	0.00	1,511.00

2.0 Emissions Summary

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Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	1-1-2018	3-31-2018	0.0031	0.0031
		Highest	0.0031	0.0031

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.6160	2.0000e-005	1.9800e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	3.8000e-003	3.8000e-003	1.0000e-005	0.0000	4.0600e-003
Energy	9.1100e-003	0.0828	0.0696	5.0000e-004		6.3000e-003	6.3000e-003		6.3000e-003	6.3000e-003	0.0000	1,542.5303	1,542.5303	0.0360	8.7500e-003	1,546.0386
Mobile	2.0141	9.6126	22.1655	0.0606	4.4031	0.0743	4.4773	1.1801	0.0699	1.2501	0.0000	5,575.6766	5,575.6766	0.3459	0.0000	5,584.3249
Stationary	9.8500e-003	0.0440	0.0251	5.0000e-005		1.4500e-003	1.4500e-003		1.4500e-003	1.4500e-003	0.0000	4.5696	4.5696	6.4000e-004	0.0000	4.5856
Waste						0.0000	0.0000		0.0000	0.0000	45.5837	0.0000	45.5837	2.6939	0.0000	112.9316
Water						0.0000	0.0000		0.0000	0.0000	3.9920	132.7063	136.6983	0.4132	0.0103	150.1054
Total	2.6491	9.7395	22.2622	0.0611	4.4031	0.0820	4.4851	1.1801	0.0777	1.2578	49.5757	7,255.4866	7,305.0622	3.4897	0.0191	7,397.9901

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2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.6160	2.0000e-005	1.9800e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	3.8000e-003	3.8000e-003	1.0000e-005	0.0000	4.0600e-003
Energy	9.1100e-003	0.0828	0.0696	5.0000e-004		6.3000e-003	6.3000e-003		6.3000e-003	6.3000e-003	0.0000	1,542.5303	1,542.5303	0.0360	8.7500e-003	1,546.0386
Mobile	2.0141	9.6126	22.1655	0.0606	4.4031	0.0743	4.4773	1.1801	0.0699	1.2501	0.0000	5,575.6766	5,575.6766	0.3459	0.0000	5,584.3249
Stationary	9.8500e-003	0.0440	0.0251	5.0000e-005		1.4500e-003	1.4500e-003		1.4500e-003	1.4500e-003	0.0000	4.5696	4.5696	6.4000e-004	0.0000	4.5856
Waste						0.0000	0.0000		0.0000	0.0000	45.5837	0.0000	45.5837	2.6939	0.0000	112.9316
Water						0.0000	0.0000		0.0000	0.0000	3.9920	132.7063	136.6983	0.4132	0.0103	150.1054
Total	2.6491	9.7395	22.2622	0.0611	4.4031	0.0820	4.4851	1.1801	0.0777	1.2578	49.5757	7,255.4866	7,305.0622	3.4897	0.0191	7,397.9901

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Ignore Construction Data	Site Preparation	1/1/2018	1/5/2018	5	5	

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Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Ignore Construction Data	Rubber Tired Dozers	1	1.00	247	0.40

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Ignore Construction Data	1	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

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3.2 Ignore Construction Data - 2018

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					1.8800e-003	0.0000	1.8800e-003	1.0300e-003	0.0000	1.0300e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.6000e-004	3.9200e-003	1.3700e-003	0.0000		1.9000e-004	1.9000e-004		1.8000e-004	1.8000e-004	0.0000	0.2439	0.2439	8.0000e-005	0.0000	0.2458
Total	3.6000e-004	3.9200e-003	1.3700e-003	0.0000	1.8800e-003	1.9000e-004	2.0700e-003	1.0300e-003	1.8000e-004	1.2100e-003	0.0000	0.2439	0.2439	8.0000e-005	0.0000	0.2458

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

4.0 Operational Detail - Mobile

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4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	2.0141	9.6126	22.1655	0.0606	4.4031	0.0743	4.4773	1.1801	0.0699	1.2501	0.0000	5,575.6766	5,575.6766	0.3459	0.0000	5,584.3249
Unmitigated	2.0141	9.6126	22.1655	0.0606	4.4031	0.0743	4.4773	1.1801	0.0699	1.2501	0.0000	5,575.6766	5,575.6766	0.3459	0.0000	5,584.3249

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
High Turnover (Sit Down Restaurant)	0.00	0.00	0.00		
Regional Shopping Center	0.00	0.00	0.00		
User Defined Commercial	4,696.00	5,669.00	2996.00	11,533,626	11,533,626
User Defined Parking	1,511.00	1,832.00	928.00	53,638	53,638
Total	6,207.00	7,501.00	3,924.00	11,587,264	11,587,264

4.3 Trip Type Information

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Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
High Turnover (Sit Down	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0
Regional Shopping Center	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0
User Defined Commercial	16.60	6.90	6.90	0.00	100.00	0.00	100	0	0
User Defined Parking	0.00	0.10	0.00	0.00	100.00	0.00	100	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
High Turnover (Sit Down Restaurant)	0.544547	0.044708	0.198656	0.126890	0.018261	0.005879	0.019662	0.030939	0.001958	0.002113	0.004656	0.000702	0.001029
Regional Shopping Center	0.544547	0.044708	0.198656	0.126890	0.018261	0.005879	0.019662	0.030939	0.001958	0.002113	0.004656	0.000702	0.001029
User Defined Commercial	0.544547	0.044708	0.198656	0.126890	0.018261	0.005879	0.019662	0.030939	0.001958	0.002113	0.004656	0.000702	0.001029
User Defined Parking	0.544547	0.044708	0.198656	0.126890	0.018261	0.005879	0.019662	0.030939	0.001958	0.002113	0.004656	0.000702	0.001029

5.0 Energy Detail

Historical Energy Use: Y

5.1 Mitigation Measures Energy

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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	1,452.3533	1,452.3533	0.0343	7.1000e-003	1,455.3257
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	1,452.3533	1,452.3533	0.0343	7.1000e-003	1,455.3257
NaturalGas Mitigated	9.1100e-003	0.0828	0.0696	5.0000e-004		6.3000e-003	6.3000e-003		6.3000e-003	6.3000e-003	0.0000	90.1770	90.1770	1.7300e-003	1.6500e-003	90.7128
NaturalGas Unmitigated	9.1100e-003	0.0828	0.0696	5.0000e-004		6.3000e-003	6.3000e-003		6.3000e-003	6.3000e-003	0.0000	90.1770	90.1770	1.7300e-003	1.6500e-003	90.7128

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
High Turnover (Sit Down Restaurant)	1.42602e+006	7.6900e-003	0.0699	0.0587	4.2000e-004		5.3100e-003	5.3100e-003		5.3100e-003	5.3100e-003	0.0000	76.0978	76.0978	1.4600e-003	1.4000e-003	76.5501
Regional Shopping Center	263833	1.4200e-003	0.0129	0.0109	8.0000e-005		9.8000e-004	9.8000e-004		9.8000e-004	9.8000e-004	0.0000	14.0791	14.0791	2.7000e-004	2.6000e-004	14.1628
User Defined Commercial	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
User Defined Parking	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		9.1100e-003	0.0828	0.0696	5.0000e-004		6.2900e-003	6.2900e-003		6.2900e-003	6.2900e-003	0.0000	90.1770	90.1770	1.7300e-003	1.6600e-003	90.7128

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5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
High Turnover (Sit Down Restaurant)	1.42602e+006	7.6900e-003	0.0699	0.0587	4.2000e-004		5.3100e-003	5.3100e-003		5.3100e-003	5.3100e-003	0.0000	76.0978	76.0978	1.4600e-003	1.4000e-003	76.5501
Regional Shopping Center	263833	1.4200e-003	0.0129	0.0109	8.0000e-005		9.8000e-004	9.8000e-004		9.8000e-004	9.8000e-004	0.0000	14.0791	14.0791	2.7000e-004	2.6000e-004	14.1628
User Defined Commercial	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
User Defined Parking	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		9.1100e-003	0.0828	0.0696	5.0000e-004		6.2900e-003	6.2900e-003		6.2900e-003	6.2900e-003	0.0000	90.1770	90.1770	1.7300e-003	1.6600e-003	90.7128

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5.3 Energy by Land Use - Electricity**Unmitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
High Turnover (Sit Down Restaurant)	294027	163.7618	3.8700e-003	8.0000e-004	164.0970
Regional Shopping Center	2.31361e+006	1,288.5915	0.0304	6.3000e-003	1,291.2287
User Defined Commercial	0	0.0000	0.0000	0.0000	0.0000
User Defined Parking	0	0.0000	0.0000	0.0000	0.0000
Total		1,452.3533	0.0343	7.1000e-003	1,455.3257

3rd and Fairfax Mixed-Use Project - Existing Conditions - South Coast AQMD Air District, Annual

5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
High Turnover (Sit Down Restaurant)	294027	163.7618	3.8700e-003	8.0000e-004	164.0970
Regional Shopping Center	2.31361e+006	1,288.5915	0.0304	6.3000e-003	1,291.2287
User Defined Commercial	0	0.0000	0.0000	0.0000	0.0000
User Defined Parking	0	0.0000	0.0000	0.0000	0.0000
Total		1,452.3533	0.0343	7.1000e-003	1,455.3257

6.0 Area Detail

6.1 Mitigation Measures Area

3rd and Fairfax Mixed-Use Project - Existing Conditions - South Coast AQMD Air District, Annual

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.6160	2.0000e-005	1.9800e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	3.8000e-003	3.8000e-003	1.0000e-005	0.0000	4.0600e-003
Unmitigated	0.6160	2.0000e-005	1.9800e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	3.8000e-003	3.8000e-003	1.0000e-005	0.0000	4.0600e-003

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0700					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.5458					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.9000e-004	2.0000e-005	1.9800e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	3.8000e-003	3.8000e-003	1.0000e-005	0.0000	4.0600e-003
Total	0.6160	2.0000e-005	1.9800e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	3.8000e-003	3.8000e-003	1.0000e-005	0.0000	4.0600e-003

3rd and Fairfax Mixed-Use Project - Existing Conditions - South Coast AQMD Air District, Annual

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0700					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.5458					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.9000e-004	2.0000e-005	1.9800e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	3.8000e-003	3.8000e-003	1.0000e-005	0.0000	4.0600e-003
Total	0.6160	2.0000e-005	1.9800e-003	0.0000		1.0000e-005	1.0000e-005		1.0000e-005	1.0000e-005	0.0000	3.8000e-003	3.8000e-003	1.0000e-005	0.0000	4.0600e-003

7.0 Water Detail

7.1 Mitigation Measures Water

3rd and Fairfax Mixed-Use Project - Existing Conditions - South Coast AQMD Air District, Annual

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	136.6983	0.4132	0.0103	150.1054
Unmitigated	136.6983	0.4132	0.0103	150.1054

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
High Turnover (Sit Down Restaurant)	1.84548 / 0.117797	14.6982	0.0605	1.4900e-003	16.6536
Regional Shopping Center	10.7376 / 6.58108	122.0001	0.3527	8.8400e-003	133.4518
User Defined Commercial	0 / 0	0.0000	0.0000	0.0000	0.0000
User Defined Parking	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		136.6983	0.4132	0.0103	150.1054

3rd and Fairfax Mixed-Use Project - Existing Conditions - South Coast AQMD Air District, Annual

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
High Turnover (Sit Down Restaurant)	1.84548 / 0.117797	14.6982	0.0605	1.4900e-003	16.6536
Regional Shopping Center	10.7376 / 6.58108	122.0001	0.3527	8.8400e-003	133.4518
User Defined Commercial	0 / 0	0.0000	0.0000	0.0000	0.0000
User Defined Parking	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		136.6983	0.4132	0.0103	150.1054

8.0 Waste Detail

8.1 Mitigation Measures Waste

3rd and Fairfax Mixed-Use Project - Existing Conditions - South Coast AQMD Air District, Annual

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	45.5837	2.6939	0.0000	112.9316
Unmitigated	45.5837	2.6939	0.0000	112.9316

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
High Turnover (Sit Down Restaurant)	72.35	14.6864	0.8679	0.0000	36.3849
Regional Shopping Center	152.21	30.8973	1.8260	0.0000	76.5466
User Defined Commercial	0	0.0000	0.0000	0.0000	0.0000
User Defined Parking	0	0.0000	0.0000	0.0000	0.0000
Total		45.5837	2.6939	0.0000	112.9316

3rd and Fairfax Mixed-Use Project - Existing Conditions - South Coast AQMD Air District, Annual

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
High Turnover (Sit Down Restaurant)	72.35	14.6864	0.8679	0.0000	36.3849
Regional Shopping Center	152.21	30.8973	1.8260	0.0000	76.5466
User Defined Commercial	0	0.0000	0.0000	0.0000	0.0000
User Defined Parking	0	0.0000	0.0000	0.0000	0.0000
Total		45.5837	2.6939	0.0000	112.9316

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
Emergency Generator	1	1	12	1000	0.73	Diesel

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

3rd and Fairfax Mixed-Use Project - Existing Conditions - South Coast AQMD Air District, Annual

Equipment Type	Number
----------------	--------

10.1 Stationary Sources

Unmitigated/Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Equipment Type	tons/yr										MT/yr					
Emergency Generator - Diesel (750 - 9999 HP)	9.8500e-003	0.0440	0.0251	5.0000e-005		1.4500e-003	1.4500e-003		1.4500e-003	1.4500e-003	0.0000	4.5696	4.5696	6.4000e-004	0.0000	4.5856
Total	9.8500e-003	0.0440	0.0251	5.0000e-005		1.4500e-003	1.4500e-003		1.4500e-003	1.4500e-003	0.0000	4.5696	4.5696	6.4000e-004	0.0000	4.5856

11.0 Vegetation

3rd and Fairfax Mixed-Use Project - Without GHG Reduction Features or Mitigation - South Coast AQMD Air District, Annual

3rd and Fairfax Mixed-Use Project - Without GHG Reduction Features or Mitigation
South Coast AQMD Air District, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
User Defined Commercial	1.00	User Defined Unit	0.00	0.00	0
Enclosed Parking with Elevator	996.00	Space	0.00	398,400.00	0
User Defined Parking	1.00	User Defined Unit	0.00	0.00	0
High Turnover (Sit Down Restaurant)	7.50	1000sqft	0.00	7,500.00	0
Apartments Mid Rise	331.00	Dwelling Unit	3.15	343,000.00	801
Regional Shopping Center	13.41	1000sqft	0.00	13,412.00	0
Supermarket	63.08	1000sqft	0.00	63,082.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	31
Climate Zone	11			Operational Year	2023
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MWhr)	1227.89	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

3rd and Fairfax Mixed-Use Project - Without GHG Reduction Features or Mitigation - South Coast AQMD Air District, Annual

Project Characteristics -

Land Use - Project data per site plan dated January 2019 with updated parking plan dated February 2020 (996 spaces). Population estimate is based on 2.42 persons per household per City Planning demographic data.

Construction Phase - Construction schedule assumes an approximate 32 month timeline.

Off-road Equipment - Construction equipment per applicant data.

Off-road Equipment - Equipment per Applicant data.

Off-road Equipment -

Off-road Equipment - Construction equipment per Applicant data

Off-road Equipment -

Off-road Equipment - Construction equipment per Applicant data.

Trips and VMT - Demo debris export trips assume 130 loads (260 trips) for asphalt concrete debris (1,300 cy/10 cy hauling capacity) and 874 loads (1,748 trips) for demolition debris (151,048 sf = 377,620 ft3 of building volume = 13,986 cy/16 cy hauling capacity).

Demolition - Demolition phase includes 151,048 sf of building demolition debris (x0.046 = 6,948 tons) and 1,300 cy of asphalt debris (x2,400 lbs/cy = 1560 tons)

Grading - Pre-demolition abatement assumes 50 cy of debris export. Grading phase includes 110,000 cy of soil export.

Vehicle Trips - Mobile source emissions based on LADOT VMT Calculator without MDX Trip Adjustments that reduce VMTs due to the project's location in a high transit and urban area. See attached assumptions and data input modifications sheet.

Woodstoves - No fireplaces are proposed.

Land Use Change -

Sequestration - Sequestration includes 83 new trees per landscape plan.

Construction Off-road Equipment Mitigation - Mitigation assumes compliance with AQMD Rule 403 (dust suppression) with a watering frequency of 3x a day (=61% reduction in fugitive dust).

Area Mitigation - Application of low-VOC architectural coatings per LA Green Building Code.

Energy Mitigation -

Water Mitigation -

Waste Mitigation -

Stationary Sources - Emergency Generators and Fire Pumps -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Parking	23,904.00	22,872.00

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tblAreaCoating	Area_Parking	23904	22872
tblConstructionPhase	NumDays	18.00	88.00
tblConstructionPhase	NumDays	230.00	484.00
tblConstructionPhase	NumDays	20.00	44.00
tblConstructionPhase	NumDays	8.00	65.00
tblConstructionPhase	NumDays	18.00	10.00
tblConstructionPhase	NumDays	5.00	15.00
tblGrading	MaterialExported	0.00	110,000.00
tblLandUse	LandUseSquareFeet	331,000.00	343,000.00
tblLandUse	LandUseSquareFeet	13,410.00	13,412.00
tblLandUse	LandUseSquareFeet	63,080.00	63,082.00
tblLandUse	LotAcreage	8.96	0.00
tblLandUse	LotAcreage	0.17	0.00
tblLandUse	LotAcreage	8.71	3.15
tblLandUse	LotAcreage	0.31	0.00
tblLandUse	LotAcreage	1.45	0.00
tblLandUse	Population	947.00	801.00
tblOffRoadEquipment	HorsePower	89.00	247.00
tblOffRoadEquipment	HorsePower	84.00	97.00
tblOffRoadEquipment	LoadFactor	0.20	0.40
tblOffRoadEquipment	LoadFactor	0.74	0.37
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblSequestration	NumberOfNewTrees	0.00	83.00
tblTripsAndVMT	HaulingTripLength	20.00	24.00
tblTripsAndVMT	HaulingTripLength	20.00	11.00
tblTripsAndVMT	HaulingTripLength	20.00	24.00

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tblTripsAndVMT	HaulingTripNumber	0.00	10.00
tblTripsAndVMT	HaulingTripNumber	841.00	2,008.00
tblTripsAndVMT	VendorTripNumber	114.00	112.00
tblTripsAndVMT	WorkerTripNumber	28.00	60.00
tblTripsAndVMT	WorkerTripNumber	433.00	150.00
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CC_TL	8.40	6.67
tblVehicleTrips	CC_TL	8.40	0.10
tblVehicleTrips	CC_TTP	72.50	0.00
tblVehicleTrips	CC_TTP	64.70	0.00
tblVehicleTrips	CC_TTP	74.50	0.00
tblVehicleTrips	CC_TTP	0.00	100.00
tblVehicleTrips	CC_TTP	0.00	100.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TTP	19.00	0.00
tblVehicleTrips	CNW_TTP	19.00	0.00
tblVehicleTrips	CNW_TTP	19.00	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TL	16.60	0.00

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tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TTP	8.50	0.00
tblVehicleTrips	CW_TTP	16.30	0.00
tblVehicleTrips	CW_TTP	6.50	0.00
tblVehicleTrips	DV_TP	11.00	0.00
tblVehicleTrips	DV_TP	20.00	0.00
tblVehicleTrips	DV_TP	35.00	0.00
tblVehicleTrips	DV_TP	30.00	0.00
tblVehicleTrips	HO_TL	8.70	0.00
tblVehicleTrips	HO_TTP	40.60	0.00
tblVehicleTrips	HS_TL	5.90	0.00
tblVehicleTrips	HS_TTP	19.20	0.00
tblVehicleTrips	HW_TL	14.70	0.00
tblVehicleTrips	HW_TTP	40.20	0.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PB_TP	43.00	0.00
tblVehicleTrips	PB_TP	11.00	0.00
tblVehicleTrips	PB_TP	36.00	0.00
tblVehicleTrips	PR_TP	86.00	0.00
tblVehicleTrips	PR_TP	37.00	0.00
tblVehicleTrips	PR_TP	54.00	0.00
tblVehicleTrips	PR_TP	34.00	0.00
tblVehicleTrips	PR_TP	0.00	100.00
tblVehicleTrips	PR_TP	0.00	100.00

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tblVehicleTrips	ST_TR	6.39	0.00
tblVehicleTrips	ST_TR	158.37	0.00
tblVehicleTrips	ST_TR	49.97	0.00
tblVehicleTrips	ST_TR	177.59	0.00
tblVehicleTrips	ST_TR	0.00	13,918.00
tblVehicleTrips	ST_TR	0.00	3,806.00
tblVehicleTrips	SU_TR	5.86	0.00
tblVehicleTrips	SU_TR	131.84	0.00
tblVehicleTrips	SU_TR	25.24	0.00
tblVehicleTrips	SU_TR	166.44	0.00
tblVehicleTrips	SU_TR	0.00	12,781.00
tblVehicleTrips	SU_TR	0.00	3,486.00
tblVehicleTrips	WD_TR	6.65	0.00
tblVehicleTrips	WD_TR	127.15	0.00
tblVehicleTrips	WD_TR	42.70	0.00
tblVehicleTrips	WD_TR	102.24	0.00
tblVehicleTrips	WD_TR	0.00	9,648.00
tblVehicleTrips	WD_TR	0.00	2,384.00

2.0 Emissions Summary

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2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2021	0.4300	5.8360	3.3954	0.0137	0.6119	0.1572	0.7691	0.2065	0.1469	0.3534	0.0000	1,284.1828	1,284.1828	0.1616	0.0000	1,288.2220
2022	0.3786	3.7351	3.4772	9.8200e-003	0.3057	0.1255	0.4312	0.0833	0.1190	0.2023	0.0000	890.8971	890.8971	0.1017	0.0000	893.4400
2023	1.7196	1.7392	2.0573	5.4100e-003	0.1818	0.0617	0.2435	0.0493	0.0589	0.1081	0.0000	487.8560	487.8560	0.0545	0.0000	489.2176
Maximum	1.7196	5.8360	3.4772	0.0137	0.6119	0.1572	0.7691	0.2065	0.1469	0.3534	0.0000	1,284.1828	1,284.1828	0.1616	0.0000	1,288.2220

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2021	0.4300	5.8360	3.3954	0.0137	0.4227	0.1572	0.5799	0.1308	0.1469	0.2777	0.0000	1,284.1824	1,284.1824	0.1616	0.0000	1,288.2215
2022	0.3785	3.7351	3.4772	9.8200e-003	0.3057	0.1255	0.4312	0.0833	0.1190	0.2023	0.0000	890.8967	890.8967	0.1017	0.0000	893.4396
2023	1.7196	1.7392	2.0573	5.4100e-003	0.1818	0.0617	0.2435	0.0493	0.0589	0.1081	0.0000	487.8557	487.8557	0.0545	0.0000	489.2174
Maximum	1.7196	5.8360	3.4772	0.0137	0.4227	0.1572	0.5799	0.1308	0.1469	0.2777	0.0000	1,284.1824	1,284.1824	0.1616	0.0000	1,288.2215

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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	17.21	0.00	13.11	22.34	0.00	11.41	0.00	0.00	0.00	0.00	0.00	0.00

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	2-15-2021	5-14-2021	1.5192	1.5192
2	5-15-2021	8-14-2021	3.1624	3.1624
3	8-15-2021	11-14-2021	1.1287	1.1287
4	11-15-2021	2-14-2022	1.0840	1.0840
5	2-15-2022	5-14-2022	1.0011	1.0011
6	5-15-2022	8-14-2022	1.0337	1.0337
7	8-15-2022	11-14-2022	1.0348	1.0348
8	11-15-2022	2-14-2023	0.9687	0.9687
9	2-15-2023	5-14-2023	0.8685	0.8685
10	5-15-2023	8-14-2023	1.1894	1.1894
11	8-15-2023	9-30-2023	0.6835	0.6835
		Highest	3.1624	3.1624

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2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	2.9086	0.1253	5.5322	5.5500e-003		0.3350	0.3350		0.3350	0.3350	35.1585	73.1653	108.3238	0.1103	2.3900e-003	111.7920
Energy	0.0334	0.2947	0.1893	1.8200e-003		0.0231	0.0231		0.0231	0.0231	0.0000	3,957.7689	3,957.7689	0.0920	0.0238	3,967.1570
Mobile	2.9281	13.7392	32.2051	0.1193	9.9143	0.0867	10.0010	2.6566	0.0806	2.7372	0.0000	11,042.1109	11,042.1109	0.5395	0.0000	11,055.5972
Stationary	0.0197	0.0881	0.0502	9.0000e-005		2.9000e-003	2.9000e-003		2.9000e-003	2.9000e-003	0.0000	9.1391	9.1391	1.2800e-003	0.0000	9.1712
Waste						0.0000	0.0000		0.0000	0.0000	124.1006	0.0000	124.1006	7.3341	0.0000	307.4539
Water						0.0000	0.0000		0.0000	0.0000	10.3461	326.7894	337.1356	1.0704	0.0267	371.8478
Total	5.8898	14.2474	37.9768	0.1267	9.9143	0.4476	10.3620	2.6566	0.4415	3.0982	169.6052	15,408.9737	15,578.5789	9.1475	0.0529	15,823.0190

3rd and Fairfax Mixed-Use Project - Without GHG Reduction Features or Mitigation - South Coast AQMD Air District, Annual

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	2.9086	0.1253	5.5322	5.5500e-003		0.3350	0.3350		0.3350	0.3350	35.1585	73.1653	108.3238	0.1103	2.3900e-003	111.7920
Energy	0.0334	0.2947	0.1893	1.8200e-003		0.0231	0.0231		0.0231	0.0231	0.0000	3,938.1982	3,938.1982	0.0915	0.0237	3,947.5462
Mobile	2.9281	13.7392	32.2051	0.1193	9.9143	0.0867	10.0010	2.6566	0.0806	2.7372	0.0000	11,042.1109	11,042.1109	0.5395	0.0000	11,055.5972
Stationary	0.0197	0.0881	0.0502	9.0000e-005		2.9000e-003	2.9000e-003		2.9000e-003	2.9000e-003	0.0000	9.1391	9.1391	1.2800e-003	0.0000	9.1712
Waste						0.0000	0.0000		0.0000	0.0000	124.1006	0.0000	124.1006	7.3341	0.0000	307.4539
Water						0.0000	0.0000		0.0000	0.0000	10.3461	326.7894	337.1356	1.0704	0.0267	371.8478
Total	5.8898	14.2474	37.9768	0.1267	9.9143	0.4476	10.3620	2.6566	0.4415	3.0982	169.6052	15,389.4030	15,559.0082	9.1471	0.0528	15,803.4083

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.13	0.13	0.01	0.19	0.12

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2.3 Vegetation

Vegetation

	CO2e
Category	MT
New Trees	58.7640
Total	58.7640

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Pre-Demolition Abatement	Site Preparation	2/15/2021	3/5/2021	5	15	
2	Demolition	Demolition	3/6/2021	5/6/2021	5	44	
3	Grading	Grading	5/7/2021	8/5/2021	5	65	
4	Building Construction	Building Construction	8/6/2021	6/14/2023	5	484	
5	Architectural Coating	Architectural Coating	6/15/2023	10/16/2023	5	88	
6	Paving	Paving	10/17/2023	10/30/2023	5	10	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 32.5

Acres of Paving: 0

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Residential Indoor: 694,575; Residential Outdoor: 231,525; Non-Residential Indoor: 125,991; Non-Residential Outdoor: 41,997; Striped Parking Area: 22,872 (Architectural Coating – sqft)

OffRoad Equipment

3rd and Fairfax Mixed-Use Project - Without GHG Reduction Features or Mitigation - South Coast AQMD Air District, Annual

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Pre-Demolition Abatement	Forklifts	1	8.00	247	0.40
Pre-Demolition Abatement	Generator Sets	2	8.00	97	0.37
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Grading	Bore/Drill Rigs	1	6.00	221	0.50
Grading	Excavators	3	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Rubber Tired Loaders	2	6.00	203	0.36
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Building Construction	Cement and Mortar Mixers	1	7.00	9	0.56
Building Construction	Concrete/Industrial Saws	1	6.00	81	0.73
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Architectural Coating	Aerial Lifts	3	6.00	63	0.31
Architectural Coating	Air Compressors	3	6.00	78	0.48
Paving	Cement and Mortar Mixers	2	6.00	9	0.56
Paving	Pavers	1	8.00	130	0.42
Paving	Paving Equipment	2	6.00	132	0.36
Paving	Rollers	2	6.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37

Trips and VMT

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Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Pre-Demolition Abatement	3	8.00	0.00	10.00	14.70	6.90	24.00	LD_Mix	HDT_Mix	HHDT
Demolition	6	15.00	0.00	2,008.00	14.70	6.90	11.00	LD_Mix	HDT_Mix	HHDT
Grading	11	60.00	0.00	13,750.00	14.70	6.90	24.00	LD_Mix	HDT_Mix	HHDT
Building Construction	11	150.00	112.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	6	87.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	8	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Pre-Demolition Abatement - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.3500e-003	0.0612	0.0494	1.2000e-004		2.7500e-003	2.7500e-003		2.6500e-003	2.6500e-003	0.0000	10.5069	10.5069	2.0600e-003	0.0000	10.5585
Total	6.3500e-003	0.0612	0.0494	1.2000e-004	0.0000	2.7500e-003	2.7500e-003	0.0000	2.6500e-003	2.6500e-003	0.0000	10.5069	10.5069	2.0600e-003	0.0000	10.5585

3rd and Fairfax Mixed-Use Project - Without GHG Reduction Features or Mitigation - South Coast AQMD Air District, Annual

3.2 Pre-Demolition Abatement - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	4.0000e-005	1.4700e-003	3.2000e-004	0.0000	1.0000e-004	0.0000	1.1000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.4378	0.4378	3.0000e-005	0.0000	0.4385
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.5000e-004	1.8000e-004	2.0900e-003	1.0000e-005	6.6000e-004	0.0000	6.6000e-004	1.7000e-004	0.0000	1.8000e-004	0.0000	0.5734	0.5734	2.0000e-005	0.0000	0.5738
Total	2.9000e-004	1.6500e-003	2.4100e-003	1.0000e-005	7.6000e-004	0.0000	7.7000e-004	2.0000e-004	0.0000	2.1000e-004	0.0000	1.0112	1.0112	5.0000e-005	0.0000	1.0123

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.3500e-003	0.0612	0.0494	1.2000e-004		2.7500e-003	2.7500e-003		2.6500e-003	2.6500e-003	0.0000	10.5068	10.5068	2.0600e-003	0.0000	10.5585
Total	6.3500e-003	0.0612	0.0494	1.2000e-004	0.0000	2.7500e-003	2.7500e-003	0.0000	2.6500e-003	2.6500e-003	0.0000	10.5068	10.5068	2.0600e-003	0.0000	10.5585

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3.2 Pre-Demolition Abatement - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	4.0000e-005	1.4700e-003	3.2000e-004	0.0000	1.0000e-004	0.0000	1.1000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.4378	0.4378	3.0000e-005	0.0000	0.4385
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.5000e-004	1.8000e-004	2.0900e-003	1.0000e-005	6.6000e-004	0.0000	6.6000e-004	1.7000e-004	0.0000	1.8000e-004	0.0000	0.5734	0.5734	2.0000e-005	0.0000	0.5738
Total	2.9000e-004	1.6500e-003	2.4100e-003	1.0000e-005	7.6000e-004	0.0000	7.7000e-004	2.0000e-004	0.0000	2.1000e-004	0.0000	1.0112	1.0112	5.0000e-005	0.0000	1.0123

3.3 Demolition - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0910	0.0000	0.0910	0.0138	0.0000	0.0138	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0696	0.6917	0.4744	8.5000e-004		0.0341	0.0341		0.0317	0.0317	0.0000	74.8017	74.8017	0.0211	0.0000	75.3281
Total	0.0696	0.6917	0.4744	8.5000e-004	0.0910	0.0341	0.1252	0.0138	0.0317	0.0455	0.0000	74.8017	74.8017	0.0211	0.0000	75.3281

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3.3 Demolition - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	4.8200e-003	0.1861	0.0362	4.7000e-004	9.5000e-003	4.5000e-004	9.9600e-003	2.6100e-003	4.3000e-004	3.0400e-003	0.0000	45.8596	45.8596	3.5900e-003	0.0000	45.9494
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.3800e-003	1.0200e-003	0.0115	3.0000e-005	3.6200e-003	3.0000e-005	3.6500e-003	9.6000e-004	3.0000e-005	9.9000e-004	0.0000	3.1537	3.1537	8.0000e-005	0.0000	3.1558
Total	6.2000e-003	0.1871	0.0477	5.0000e-004	0.0131	4.8000e-004	0.0136	3.5700e-003	4.6000e-004	4.0300e-003	0.0000	49.0133	49.0133	3.6700e-003	0.0000	49.1052

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0355	0.0000	0.0355	5.3800e-003	0.0000	5.3800e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0696	0.6917	0.4744	8.5000e-004		0.0341	0.0341		0.0317	0.0317	0.0000	74.8016	74.8016	0.0211	0.0000	75.3280
Total	0.0696	0.6917	0.4744	8.5000e-004	0.0355	0.0341	0.0696	5.3800e-003	0.0317	0.0371	0.0000	74.8016	74.8016	0.0211	0.0000	75.3280

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3.3 Demolition - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	4.8200e-003	0.1861	0.0362	4.7000e-004	9.5000e-003	4.5000e-004	9.9600e-003	2.6100e-003	4.3000e-004	3.0400e-003	0.0000	45.8596	45.8596	3.5900e-003	0.0000	45.9494
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.3800e-003	1.0200e-003	0.0115	3.0000e-005	3.6200e-003	3.0000e-005	3.6500e-003	9.6000e-004	3.0000e-005	9.9000e-004	0.0000	3.1537	3.1537	8.0000e-005	0.0000	3.1558
Total	6.2000e-003	0.1871	0.0477	5.0000e-004	0.0131	4.8000e-004	0.0136	3.5700e-003	4.6000e-004	4.0300e-003	0.0000	49.0133	49.0133	3.6700e-003	0.0000	49.1052

3.4 Grading - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.2192	0.0000	0.2192	0.1104	0.0000	0.1104	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1124	1.2060	0.8565	1.8300e-003		0.0530	0.0530		0.0488	0.0488	0.0000	161.1037	161.1037	0.0521	0.0000	162.4063
Total	0.1124	1.2060	0.8565	1.8300e-003	0.2192	0.0530	0.2722	0.1104	0.0488	0.1592	0.0000	161.1037	161.1037	0.0521	0.0000	162.4063

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3.4 Grading - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0583	2.0218	0.4388	6.1300e-003	0.1418	6.4600e-003	0.1483	0.0389	6.1800e-003	0.0451	0.0000	601.9455	601.9455	0.0398	0.0000	602.9415
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.1300e-003	6.0100e-003	0.0680	2.1000e-004	0.0214	1.6000e-004	0.0216	5.6800e-003	1.5000e-004	5.8300e-003	0.0000	18.6354	18.6354	5.0000e-004	0.0000	18.6479
Total	0.0664	2.0278	0.5067	6.3400e-003	0.1632	6.6200e-003	0.1698	0.0446	6.3300e-003	0.0509	0.0000	620.5809	620.5809	0.0403	0.0000	621.5893

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0855	0.0000	0.0855	0.0431	0.0000	0.0431	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1124	1.2060	0.8565	1.8300e-003		0.0530	0.0530		0.0488	0.0488	0.0000	161.1035	161.1035	0.0521	0.0000	162.4061
Total	0.1124	1.2060	0.8565	1.8300e-003	0.0855	0.0530	0.1385	0.0431	0.0488	0.0918	0.0000	161.1035	161.1035	0.0521	0.0000	162.4061

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3.4 Grading - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0583	2.0218	0.4388	6.1300e-003	0.1418	6.4600e-003	0.1483	0.0389	6.1800e-003	0.0451	0.0000	601.9455	601.9455	0.0398	0.0000	602.9415
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.1300e-003	6.0100e-003	0.0680	2.1000e-004	0.0214	1.6000e-004	0.0216	5.6800e-003	1.5000e-004	5.8300e-003	0.0000	18.6354	18.6354	5.0000e-004	0.0000	18.6479
Total	0.0664	2.0278	0.5067	6.3400e-003	0.1632	6.6200e-003	0.1698	0.0446	6.3300e-003	0.0509	0.0000	620.5809	620.5809	0.0403	0.0000	621.5893

3.5 Building Construction - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1188	1.0617	1.0388	1.7100e-003		0.0584	0.0584		0.0553	0.0553	0.0000	146.2649	146.2649	0.0311	0.0000	147.0419
Total	0.1188	1.0617	1.0388	1.7100e-003		0.0584	0.0584		0.0553	0.0553	0.0000	146.2649	146.2649	0.0311	0.0000	147.0419

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3.5 Building Construction - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0169	0.5744	0.1424	1.5000e-003	0.0374	1.1600e-003	0.0386	0.0108	1.1100e-003	0.0119	0.0000	144.9254	144.9254	9.1700e-003	0.0000	145.1545
Worker	0.0331	0.0245	0.2770	8.4000e-004	0.0872	6.5000e-004	0.0879	0.0232	6.0000e-004	0.0238	0.0000	75.9750	75.9750	2.0400e-003	0.0000	76.0259
Total	0.0500	0.5989	0.4194	2.3400e-003	0.1246	1.8100e-003	0.1265	0.0340	1.7100e-003	0.0357	0.0000	220.9003	220.9003	0.0112	0.0000	221.1804

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1188	1.0617	1.0388	1.7100e-003		0.0584	0.0584		0.0553	0.0553	0.0000	146.2647	146.2647	0.0311	0.0000	147.0417
Total	0.1188	1.0617	1.0388	1.7100e-003		0.0584	0.0584		0.0553	0.0553	0.0000	146.2647	146.2647	0.0311	0.0000	147.0417

3rd and Fairfax Mixed-Use Project - Without GHG Reduction Features or Mitigation - South Coast AQMD Air District, Annual

3.5 Building Construction - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0169	0.5744	0.1424	1.5000e-003	0.0374	1.1600e-003	0.0386	0.0108	1.1100e-003	0.0119	0.0000	144.9254	144.9254	9.1700e-003	0.0000	145.1545
Worker	0.0331	0.0245	0.2770	8.4000e-004	0.0872	6.5000e-004	0.0879	0.0232	6.0000e-004	0.0238	0.0000	75.9750	75.9750	2.0400e-003	0.0000	76.0259
Total	0.0500	0.5989	0.4194	2.3400e-003	0.1246	1.8100e-003	0.1265	0.0340	1.7100e-003	0.0357	0.0000	220.9003	220.9003	0.0112	0.0000	221.1804

3.5 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2634	2.3450	2.5196	4.1900e-003		0.1214	0.1214		0.1152	0.1152	0.0000	358.8772	358.8772	0.0756	0.0000	360.7665
Total	0.2634	2.3450	2.5196	4.1900e-003		0.1214	0.1214		0.1152	0.1152	0.0000	358.8772	358.8772	0.0756	0.0000	360.7665

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3.5 Building Construction - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0389	1.3359	0.3301	3.6400e-003	0.0918	2.4600e-003	0.0942	0.0265	2.3500e-003	0.0288	0.0000	352.3475	352.3475	0.0216	0.0000	352.8883
Worker	0.0763	0.0543	0.6275	1.9900e-003	0.2139	1.5600e-003	0.2155	0.0568	1.4400e-003	0.0583	0.0000	179.6724	179.6724	4.5100e-003	0.0000	179.7853
Total	0.1152	1.3901	0.9576	5.6300e-003	0.3057	4.0200e-003	0.3097	0.0833	3.7900e-003	0.0871	0.0000	532.0199	532.0199	0.0261	0.0000	532.6736

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2634	2.3450	2.5196	4.1900e-003		0.1214	0.1214		0.1152	0.1152	0.0000	358.8768	358.8768	0.0756	0.0000	360.7660
Total	0.2634	2.3450	2.5196	4.1900e-003		0.1214	0.1214		0.1152	0.1152	0.0000	358.8768	358.8768	0.0756	0.0000	360.7660

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3.5 Building Construction - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0389	1.3359	0.3301	3.6400e-003	0.0918	2.4600e-003	0.0942	0.0265	2.3500e-003	0.0288	0.0000	352.3475	352.3475	0.0216	0.0000	352.8883
Worker	0.0763	0.0543	0.6275	1.9900e-003	0.2139	1.5600e-003	0.2155	0.0568	1.4400e-003	0.0583	0.0000	179.6724	179.6724	4.5100e-003	0.0000	179.7853
Total	0.1152	1.3901	0.9576	5.6300e-003	0.3057	4.0200e-003	0.3097	0.0833	3.7900e-003	0.0871	0.0000	532.0199	532.0199	0.0261	0.0000	532.6736

3.5 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1106	0.9821	1.1362	1.9000e-003		0.0477	0.0477		0.0453	0.0453	0.0000	162.9220	162.9220	0.0340	0.0000	163.7708
Total	0.1106	0.9821	1.1362	1.9000e-003		0.0477	0.0477		0.0453	0.0453	0.0000	162.9220	162.9220	0.0340	0.0000	163.7708

3rd and Fairfax Mixed-Use Project - Without GHG Reduction Features or Mitigation - South Coast AQMD Air District, Annual

3.5 Building Construction - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0132	0.4562	0.1340	1.6000e-003	0.0417	5.2000e-004	0.0422	0.0120	5.0000e-004	0.0125	0.0000	155.0914	155.0914	8.5400e-003	0.0000	155.3048
Worker	0.0326	0.0223	0.2626	8.7000e-004	0.0971	6.9000e-004	0.0978	0.0258	6.3000e-004	0.0264	0.0000	78.5025	78.5025	1.8500e-003	0.0000	78.5487
Total	0.0458	0.4785	0.3965	2.4700e-003	0.1388	1.2100e-003	0.1400	0.0378	1.1300e-003	0.0389	0.0000	233.5939	233.5939	0.0104	0.0000	233.8535

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1106	0.9821	1.1362	1.9000e-003		0.0477	0.0477		0.0453	0.0453	0.0000	162.9218	162.9218	0.0340	0.0000	163.7706
Total	0.1106	0.9821	1.1362	1.9000e-003		0.0477	0.0477		0.0453	0.0453	0.0000	162.9218	162.9218	0.0340	0.0000	163.7706

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3.5 Building Construction - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0132	0.4562	0.1340	1.6000e-003	0.0417	5.2000e-004	0.0422	0.0120	5.0000e-004	0.0125	0.0000	155.0914	155.0914	8.5400e-003	0.0000	155.3048
Worker	0.0326	0.0223	0.2626	8.7000e-004	0.0971	6.9000e-004	0.0978	0.0258	6.3000e-004	0.0264	0.0000	78.5025	78.5025	1.8500e-003	0.0000	78.5487
Total	0.0458	0.4785	0.3965	2.4700e-003	0.1388	1.2100e-003	0.1400	0.0378	1.1300e-003	0.0389	0.0000	233.5939	233.5939	0.0104	0.0000	233.8535

3.6 Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.5154					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0287	0.2248	0.3472	5.6000e-004		0.0103	0.0103		0.0102	0.0102	0.0000	48.3081	48.3081	6.7400e-003	0.0000	48.4766
Total	1.5442	0.2248	0.3472	5.6000e-004		0.0103	0.0103		0.0102	0.0102	0.0000	48.3081	48.3081	6.7400e-003	0.0000	48.4766

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3.6 Architectural Coating - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0141	9.6400e-003	0.1136	3.8000e-004	0.0420	3.0000e-004	0.0423	0.0112	2.7000e-004	0.0114	0.0000	33.9557	33.9557	8.0000e-004	0.0000	33.9756
Total	0.0141	9.6400e-003	0.1136	3.8000e-004	0.0420	3.0000e-004	0.0423	0.0112	2.7000e-004	0.0114	0.0000	33.9557	33.9557	8.0000e-004	0.0000	33.9756

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.5154					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0287	0.2248	0.3472	5.6000e-004		0.0103	0.0103		0.0102	0.0102	0.0000	48.3080	48.3080	6.7400e-003	0.0000	48.4765
Total	1.5442	0.2248	0.3472	5.6000e-004		0.0103	0.0103		0.0102	0.0102	0.0000	48.3080	48.3080	6.7400e-003	0.0000	48.4765

3rd and Fairfax Mixed-Use Project - Without GHG Reduction Features or Mitigation - South Coast AQMD Air District, Annual

3.6 Architectural Coating - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0141	9.6400e-003	0.1136	3.8000e-004	0.0420	3.0000e-004	0.0423	0.0112	2.7000e-004	0.0114	0.0000	33.9557	33.9557	8.0000e-004	0.0000	33.9756
Total	0.0141	9.6400e-003	0.1136	3.8000e-004	0.0420	3.0000e-004	0.0423	0.0112	2.7000e-004	0.0114	0.0000	33.9557	33.9557	8.0000e-004	0.0000	33.9756

3.7 Paving - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	4.5900e-003	0.0440	0.0610	9.0000e-005		2.1800e-003	2.1800e-003		2.0100e-003	2.0100e-003	0.0000	8.1893	8.1893	2.5700e-003	0.0000	8.2536
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	4.5900e-003	0.0440	0.0610	9.0000e-005		2.1800e-003	2.1800e-003		2.0100e-003	2.0100e-003	0.0000	8.1893	8.1893	2.5700e-003	0.0000	8.2536

3rd and Fairfax Mixed-Use Project - Without GHG Reduction Features or Mitigation - South Coast AQMD Air District, Annual

3.7 Paving - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.7000e-004	2.5000e-004	2.9700e-003	1.0000e-005	1.1000e-003	1.0000e-005	1.1000e-003	2.9000e-004	1.0000e-005	3.0000e-004	0.0000	0.8870	0.8870	2.0000e-005	0.0000	0.8876
Total	3.7000e-004	2.5000e-004	2.9700e-003	1.0000e-005	1.1000e-003	1.0000e-005	1.1000e-003	2.9000e-004	1.0000e-005	3.0000e-004	0.0000	0.8870	0.8870	2.0000e-005	0.0000	0.8876

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	4.5900e-003	0.0440	0.0610	9.0000e-005		2.1800e-003	2.1800e-003		2.0100e-003	2.0100e-003	0.0000	8.1893	8.1893	2.5700e-003	0.0000	8.2536
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	4.5900e-003	0.0440	0.0610	9.0000e-005		2.1800e-003	2.1800e-003		2.0100e-003	2.0100e-003	0.0000	8.1893	8.1893	2.5700e-003	0.0000	8.2536

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3.7 Paving - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.7000e-004	2.5000e-004	2.9700e-003	1.0000e-005	1.1000e-003	1.0000e-005	1.1000e-003	2.9000e-004	1.0000e-005	3.0000e-004	0.0000	0.8870	0.8870	2.0000e-005	0.0000	0.8876
Total	3.7000e-004	2.5000e-004	2.9700e-003	1.0000e-005	1.1000e-003	1.0000e-005	1.1000e-003	2.9000e-004	1.0000e-005	3.0000e-004	0.0000	0.8870	0.8870	2.0000e-005	0.0000	0.8876

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

3rd and Fairfax Mixed-Use Project - Without GHG Reduction Features or Mitigation - South Coast AQMD Air District, Annual

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	2.9281	13.7392	32.2051	0.1193	9.9143	0.0867	10.0010	2.6566	0.0806	2.7372	0.0000	11,042.1109	11,042.1109	0.5395	0.0000	11,055.5972
Unmitigated	2.9281	13.7392	32.2051	0.1193	9.9143	0.0867	10.0010	2.6566	0.0806	2.7372	0.0000	11,042.1109	11,042.1109	0.5395	0.0000	11,055.5972

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	0.00	0.00	0.00		
Enclosed Parking with Elevator	0.00	0.00	0.00		
High Turnover (Sit Down Restaurant)	0.00	0.00	0.00		
Regional Shopping Center	0.00	0.00	0.00		
Supermarket	0.00	0.00	0.00		
User Defined Commercial	9,648.00	13,918.00	12,781.00	25,991,843	25,991,843
User Defined Parking	2,384.00	3,806.00	3,486.00	99,902	99,902
Total	12,032.00	17,724.00	16,267.00	26,091,745	26,091,745

4.3 Trip Type Information

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Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Mid Rise	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0
High Turnover (Sit Down	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0
Regional Shopping Center	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0
Supermarket	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0
User Defined Commercial	0.00	6.67	0.00	0.00	100.00	0.00	100	0	0
User Defined Parking	0.00	0.10	0.00	0.00	100.00	0.00	100	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.550151	0.042593	0.202457	0.116946	0.015037	0.005825	0.021699	0.034933	0.002123	0.001780	0.004876	0.000710	0.000868
Enclosed Parking with Elevator	0.550151	0.042593	0.202457	0.116946	0.015037	0.005825	0.021699	0.034933	0.002123	0.001780	0.004876	0.000710	0.000868
High Turnover (Sit Down Restaurant)	0.550151	0.042593	0.202457	0.116946	0.015037	0.005825	0.021699	0.034933	0.002123	0.001780	0.004876	0.000710	0.000868
Regional Shopping Center	0.550151	0.042593	0.202457	0.116946	0.015037	0.005825	0.021699	0.034933	0.002123	0.001780	0.004876	0.000710	0.000868
Supermarket	0.550151	0.042593	0.202457	0.116946	0.015037	0.005825	0.021699	0.034933	0.002123	0.001780	0.004876	0.000710	0.000868
User Defined Commercial	0.550151	0.042593	0.202457	0.116946	0.015037	0.005825	0.021699	0.034933	0.002123	0.001780	0.004876	0.000710	0.000868
User Defined Parking	0.550151	0.042593	0.202457	0.116946	0.015037	0.005825	0.021699	0.034933	0.002123	0.001780	0.004876	0.000710	0.000868

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Install Energy Efficient Appliances

3rd and Fairfax Mixed-Use Project - Without GHG Reduction Features or Mitigation - South Coast AQMD Air District, Annual

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated							0.0000	0.0000		0.0000	0.0000	3,607.5709	3,607.5709	0.0852	0.0176	3,614.9541
Electricity Unmitigated							0.0000	0.0000		0.0000	0.0000	3,627.1416	3,627.1416	0.0857	0.0177	3,634.5649
NaturalGas Mitigated	0.0334	0.2947	0.1893	1.8200e-003		0.0231	0.0231		0.0231	0.0231	0.0000	330.6274	330.6274	6.3400e-003	6.0600e-003	332.5921
NaturalGas Unmitigated	0.0334	0.2947	0.1893	1.8200e-003		0.0231	0.0231		0.0231	0.0231	0.0000	330.6274	330.6274	6.3400e-003	6.0600e-003	332.5921

3rd and Fairfax Mixed-Use Project - Without GHG Reduction Features or Mitigation - South Coast AQMD Air District, Annual

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Mid Rise	3.05081e+006	0.0165	0.1406	0.0598	9.0000e-004		0.0114	0.0114		0.0114	0.0114	0.0000	162.8027	162.8027	3.1200e-003	2.9800e-003	163.7701
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
High Turnover (Sit Down Restaurant)	1.7307e+006	9.3300e-003	0.0848	0.0713	5.1000e-004		6.4500e-003	6.4500e-003		6.4500e-003	6.4500e-003	0.0000	92.3567	92.3567	1.7700e-003	1.6900e-003	92.9056
Regional Shopping Center	21995.7	1.2000e-004	1.0800e-003	9.1000e-004	1.0000e-005		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005	0.0000	1.1738	1.1738	2.0000e-005	2.0000e-005	1.1808
Supermarket	1.39222e+006	7.5100e-003	0.0683	0.0573	4.1000e-004		5.1900e-003	5.1900e-003		5.1900e-003	5.1900e-003	0.0000	74.2942	74.2942	1.4200e-003	1.3600e-003	74.7356
User Defined Commercial	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
User Defined Parking	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0334	0.2948	0.1893	1.8300e-003		0.0231	0.0231		0.0231	0.0231	0.0000	330.6274	330.6274	6.3300e-003	6.0500e-003	332.5921

3rd and Fairfax Mixed-Use Project - Without GHG Reduction Features or Mitigation - South Coast AQMD Air District, Annual

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Mid Rise	3.05081e+006	0.0165	0.1406	0.0598	9.0000e-004		0.0114	0.0114		0.0114	0.0114	0.0000	162.8027	162.8027	3.1200e-003	2.9800e-003	163.7701
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
High Turnover (Sit Down Restaurant)	1.7307e+006	9.3300e-003	0.0848	0.0713	5.1000e-004		6.4500e-003	6.4500e-003		6.4500e-003	6.4500e-003	0.0000	92.3567	92.3567	1.7700e-003	1.6900e-003	92.9056
Regional Shopping Center	21995.7	1.2000e-004	1.0800e-003	9.1000e-004	1.0000e-005		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005	0.0000	1.1738	1.1738	2.0000e-005	2.0000e-005	1.1808
Supermarket	1.39222e+006	7.5100e-003	0.0683	0.0573	4.1000e-004		5.1900e-003	5.1900e-003		5.1900e-003	5.1900e-003	0.0000	74.2942	74.2942	1.4200e-003	1.3600e-003	74.7356
User Defined Commercial	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
User Defined Parking	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0334	0.2948	0.1893	1.8300e-003		0.0231	0.0231		0.0231	0.0231	0.0000	330.6274	330.6274	6.3300e-003	6.0500e-003	332.5921

3rd and Fairfax Mixed-Use Project - Without GHG Reduction Features or Mitigation - South Coast AQMD Air District, Annual

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	1.31079e+006	730.0577	0.0172	3.5700e-003	731.5518
Enclosed Parking with Elevator	2.33462e+006	1,300.2958	0.0307	6.3500e-003	1,302.9570
High Turnover (Sit Down Restaurant)	331050	184.3821	4.3500e-003	9.0000e-004	184.7595
Regional Shopping Center	181062	100.8446	2.3800e-003	4.9000e-004	101.0510
Supermarket	2.35485e+006	1,311.5615	0.0310	6.4100e-003	1,314.2457
User Defined Commercial	0	0.0000	0.0000	0.0000	0.0000
User Defined Parking	0	0.0000	0.0000	0.0000	0.0000
Total		3,627.1416	0.0857	0.0177	3,634.5649

3rd and Fairfax Mixed-Use Project - Without GHG Reduction Features or Mitigation - South Coast AQMD Air District, Annual

5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	1.27565e+006	710.4870	0.0168	3.4700e-003	711.9411
Enclosed Parking with Elevator	2.33462e+006	1,300.2958	0.0307	6.3500e-003	1,302.9570
High Turnover (Sit Down Restaurant)	331050	184.3821	4.3500e-003	9.0000e-004	184.7595
Regional Shopping Center	181062	100.8446	2.3800e-003	4.9000e-004	101.0510
Supermarket	2.35485e+006	1,311.5615	0.0310	6.4100e-003	1,314.2457
User Defined Commercial	0	0.0000	0.0000	0.0000	0.0000
User Defined Parking	0	0.0000	0.0000	0.0000	0.0000
Total		3,607.5709	0.0852	0.0176	3,614.9541

6.0 Area Detail

6.1 Mitigation Measures Area

3rd and Fairfax Mixed-Use Project - Without GHG Reduction Features or Mitigation - South Coast AQMD Air District, Annual

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	2.9086	0.1253	5.5322	5.5500e-003		0.3350	0.3350		0.3350	0.3350	35.1585	73.1653	108.3238	0.1103	2.3900e-003	111.7920
Unmitigated	2.9086	0.1253	5.5322	5.5500e-003		0.3350	0.3350		0.3350	0.3350	35.1585	73.1653	108.3238	0.1103	2.3900e-003	111.7920

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.1515					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	1.5687					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	1.0842	0.0859	2.1041	5.3700e-003		0.3161	0.3161		0.3161	0.3161	35.1585	67.5626	102.7211	0.1049	2.3900e-003	106.0535
Landscaping	0.1041	0.0395	3.4281	1.8000e-004		0.0190	0.0190		0.0190	0.0190	0.0000	5.6027	5.6027	5.4300e-003	0.0000	5.7385
Total	2.9086	0.1253	5.5322	5.5500e-003		0.3350	0.3350		0.3350	0.3350	35.1585	73.1653	108.3238	0.1103	2.3900e-003	111.7920

3rd and Fairfax Mixed-Use Project - Without GHG Reduction Features or Mitigation - South Coast AQMD Air District, Annual

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.1515					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	1.5687					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	1.0842	0.0859	2.1041	5.3700e-003		0.3161	0.3161		0.3161	0.3161	35.1585	67.5626	102.7211	0.1049	2.3900e-003	106.0535
Landscaping	0.1041	0.0395	3.4281	1.8000e-004		0.0190	0.0190		0.0190	0.0190	0.0000	5.6027	5.6027	5.4300e-003	0.0000	5.7385
Total	2.9086	0.1253	5.5322	5.5500e-003		0.3350	0.3350		0.3350	0.3350	35.1585	73.1653	108.3238	0.1103	2.3900e-003	111.7920

7.0 Water Detail

7.1 Mitigation Measures Water

3rd and Fairfax Mixed-Use Project - Without GHG Reduction Features or Mitigation - South Coast AQMD Air District, Annual

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	337.1356	1.0704	0.0267	371.8478
Unmitigated	337.1356	1.0704	0.0267	371.8478

3rd and Fairfax Mixed-Use Project - Without GHG Reduction Features or Mitigation - South Coast AQMD Air District, Annual

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	21.566 / 13.5959	247.3722	0.7084	0.0178	270.3774
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
High Turnover (Sit Down Restaurant)	2.2765 / 0.145309	18.1310	0.0746	1.8400e-003	20.5431
Regional Shopping Center	0.993313 / 0.608804	11.2860	0.0326	8.2000e-004	12.3454
Supermarket	7.77576 / 0.240487	60.3463	0.2547	6.2700e-003	68.5820
User Defined Commercial	0 / 0	0.0000	0.0000	0.0000	0.0000
User Defined Parking	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		337.1356	1.0704	0.0267	371.8478

3rd and Fairfax Mixed-Use Project - Without GHG Reduction Features or Mitigation - South Coast AQMD Air District, Annual

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	21.566 / 13.5959	247.3722	0.7084	0.0178	270.3774
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
High Turnover (Sit Down Restaurant)	2.2765 / 0.145309	18.1310	0.0746	1.8400e-003	20.5431
Regional Shopping Center	0.993313 / 0.608804	11.2860	0.0326	8.2000e-004	12.3454
Supermarket	7.77576 / 0.240487	60.3463	0.2547	6.2700e-003	68.5820
User Defined Commercial	0 / 0	0.0000	0.0000	0.0000	0.0000
User Defined Parking	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		337.1356	1.0704	0.0267	371.8478

8.0 Waste Detail

8.1 Mitigation Measures Waste

3rd and Fairfax Mixed-Use Project - Without GHG Reduction Features or Mitigation - South Coast AQMD Air District, Annual

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	124.1006	7.3341	0.0000	307.4539
Unmitigated	124.1006	7.3341	0.0000	307.4539

3rd and Fairfax Mixed-Use Project - Without GHG Reduction Features or Mitigation - South Coast AQMD Air District, Annual

8.2 Waste by Land Use**Unmitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	152.26	30.9074	1.8266	0.0000	76.5718
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
High Turnover (Sit Down Restaurant)	89.25	18.1169	1.0707	0.0000	44.8840
Regional Shopping Center	14.08	2.8581	0.1689	0.0000	7.0809
Supermarket	355.77	72.2181	4.2680	0.0000	178.9173
User Defined Commercial	0	0.0000	0.0000	0.0000	0.0000
User Defined Parking	0	0.0000	0.0000	0.0000	0.0000
Total		124.1005	7.3341	0.0000	307.4539

3rd and Fairfax Mixed-Use Project - Without GHG Reduction Features or Mitigation - South Coast AQMD Air District, Annual

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	152.26	30.9074	1.8266	0.0000	76.5718
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
High Turnover (Sit Down Restaurant)	89.25	18.1169	1.0707	0.0000	44.8840
Regional Shopping Center	14.08	2.8581	0.1689	0.0000	7.0809
Supermarket	355.77	72.2181	4.2680	0.0000	178.9173
User Defined Commercial	0	0.0000	0.0000	0.0000	0.0000
User Defined Parking	0	0.0000	0.0000	0.0000	0.0000
Total		124.1005	7.3341	0.0000	307.4539

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

3rd and Fairfax Mixed-Use Project - Without GHG Reduction Features or Mitigation - South Coast AQMD Air District, Annual

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
Emergency Generator	2	1	12	1000	0.73	Diesel

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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10.1 Stationary Sources

Unmitigated/Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Equipment Type	tons/yr										MT/yr					
Emergency Generator - Diesel (750 - 9999 HP)	0.0197	0.0881	0.0502	9.0000e-005		2.9000e-003	2.9000e-003		2.9000e-003	2.9000e-003	0.0000	9.1391	9.1391	1.2800e-003	0.0000	9.1712
Total	0.0197	0.0881	0.0502	9.0000e-005		2.9000e-003	2.9000e-003		2.9000e-003	2.9000e-003	0.0000	9.1391	9.1391	1.2800e-003	0.0000	9.1712

11.0 Vegetation

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	Total CO2	CH4	N2O	CO2e
Category	MT			
Unmitigated	58.7640	0.0000	0.0000	58.7640

11.2 Net New Trees

Species Class

	Number of Trees	Total CO2	CH4	N2O	CO2e
		MT			
Miscellaneous	83	58.7640	0.0000	0.0000	58.7640
Total		58.7640	0.0000	0.0000	58.7640

3rd and Fairfax Mixed-Use Project-2023 With Mitigation - South Coast AQMD Air District, Annual

3rd and Fairfax Mixed-Use Project-2023 With Mitigation
South Coast AQMD Air District, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
User Defined Commercial	1.00	User Defined Unit	0.00	0.00	0
Enclosed Parking with Elevator	996.00	Space	0.00	398,400.00	0
User Defined Parking	1.00	User Defined Unit	0.00	0.00	0
High Turnover (Sit Down Restaurant)	7.50	1000sqft	0.00	7,500.00	0
Apartments Mid Rise	331.00	Dwelling Unit	3.15	343,000.00	801
Regional Shopping Center	13.41	1000sqft	0.00	13,412.00	0
Supermarket	63.08	1000sqft	0.00	63,082.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	31
Climate Zone	11			Operational Year	2023
Utility Company	Los Angeles Department of Water & Power				
CO2 Intensity (lb/MWhr)	1227.89	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

3rd and Fairfax Mixed-Use Project-2023 With Mitigation - South Coast AQMD Air District, Annual

Project Characteristics - This model run is based on the "VMT with mitigation scenario" for operational emissions only. Ignore construction data and emissions.

Land Use - Project data per site plan dated January 2019 with updated parking plan dated February 2020 (996 spaces). Population estimate is based on 2.42 persons per household per City Planning demographic data.

Construction Phase - Ignore construction input and emission data.

Off-road Equipment - Construction equipment per applicant data.

Off-road Equipment - Ignore construction input and emission data.

Trips and VMT - Soil haul trips conservatively estimate 14 cy hauling capacity.

Demolition - Demolition phase includes 151,048 sf of building demolition debris

Grading -

Vehicle Trips - Mobile source emissions based on LADOT VMT Calculator with Mitigation- see attached assumptions and data input modifications sheet.

Weekend and pass-by trip rates were based on data provided by LLG Engineers (See attached Trip Generation tables).

Woodstoves - No fireplaces are proposed.

Land Use Change -

Sequestration - Sequestration includes 83 new trees per landscape plan.

Construction Off-road Equipment Mitigation - Mitigation assumes compliance with AQMD Rule 403 (dust suppression).

Area Mitigation - Application of low-VOC architectural coatings per LA Green Building Code.

Energy Mitigation - Energy Star Rated appliances required per LA Green Building Code.

Water Mitigation - Water conservation measures are mandatory per compliance with the LA Green Building Code.

Waste Mitigation - Solid waste recycling program is mandatory under the LA Green Building Code.

Stationary Sources - Emergency Generators and Fire Pumps -

Table Name	Column Name	Default Value	New Value
tblAreaCoating	Area_Parking	23904	22872
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblConstructionPhase	NumDays	5.00	1.00
tblFireplaces	NumberGas	281.35	0.00
tblFireplaces	NumberNoFireplace	33.10	331.00
tblFireplaces	NumberWood	16.55	0.00

3rd and Fairfax Mixed-Use Project-2023 With Mitigation - South Coast AQMD Air District, Annual

tblLandUse	LandUseSquareFeet	331,000.00	343,000.00
tblLandUse	LandUseSquareFeet	13,410.00	13,412.00
tblLandUse	LandUseSquareFeet	63,080.00	63,082.00
tblLandUse	LotAcreage	8.96	0.00
tblLandUse	LotAcreage	0.17	0.00
tblLandUse	LotAcreage	8.71	3.15
tblLandUse	LotAcreage	0.31	0.00
tblLandUse	LotAcreage	1.45	0.00
tblLandUse	Population	947.00	801.00
tblOffRoadEquipment	HorsePower	89.00	247.00
tblOffRoadEquipment	LoadFactor	0.20	0.40
tblSequestration	NumberOfNewTrees	0.00	83.00
tblTripsAndVMT	HaulingTripLength	20.00	24.00
tblTripsAndVMT	HaulingTripNumber	0.00	10.00
tblTripsAndVMT	WorkerTripNumber	3.00	13.00
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CC_TL	8.40	0.00
tblVehicleTrips	CC_TL	8.40	6.68
tblVehicleTrips	CC_TL	8.40	0.10
tblVehicleTrips	CC_TTP	72.50	0.00
tblVehicleTrips	CC_TTP	64.70	0.00
tblVehicleTrips	CC_TTP	74.50	0.00
tblVehicleTrips	CC_TTP	0.00	100.00
tblVehicleTrips	CC_TTP	0.00	100.00
tblVehicleTrips	CNW_TL	6.90	0.00

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tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TL	6.90	0.00
tblVehicleTrips	CNW_TTP	19.00	0.00
tblVehicleTrips	CNW_TTP	19.00	0.00
tblVehicleTrips	CNW_TTP	19.00	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TL	16.60	0.00
tblVehicleTrips	CW_TTP	8.50	0.00
tblVehicleTrips	CW_TTP	16.30	0.00
tblVehicleTrips	CW_TTP	6.50	0.00
tblVehicleTrips	DV_TP	11.00	0.00
tblVehicleTrips	DV_TP	20.00	0.00
tblVehicleTrips	DV_TP	35.00	0.00
tblVehicleTrips	DV_TP	30.00	0.00
tblVehicleTrips	HO_TL	8.70	0.00
tblVehicleTrips	HO_TTP	40.60	0.00
tblVehicleTrips	HS_TL	5.90	0.00
tblVehicleTrips	HS_TTP	19.20	0.00
tblVehicleTrips	HW_TL	14.70	0.00
tblVehicleTrips	HW_TTP	40.20	0.00

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tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PB_TP	43.00	0.00
tblVehicleTrips	PB_TP	11.00	0.00
tblVehicleTrips	PB_TP	36.00	0.00
tblVehicleTrips	PR_TP	86.00	0.00
tblVehicleTrips	PR_TP	37.00	0.00
tblVehicleTrips	PR_TP	54.00	0.00
tblVehicleTrips	PR_TP	34.00	0.00
tblVehicleTrips	PR_TP	0.00	100.00
tblVehicleTrips	PR_TP	0.00	100.00
tblVehicleTrips	ST_TR	6.39	0.00
tblVehicleTrips	ST_TR	158.37	0.00
tblVehicleTrips	ST_TR	49.97	0.00
tblVehicleTrips	ST_TR	177.59	0.00
tblVehicleTrips	ST_TR	0.00	8,862.00
tblVehicleTrips	ST_TR	0.00	3,806.00
tblVehicleTrips	SU_TR	5.86	0.00
tblVehicleTrips	SU_TR	131.84	0.00
tblVehicleTrips	SU_TR	25.24	0.00
tblVehicleTrips	SU_TR	166.44	0.00
tblVehicleTrips	SU_TR	0.00	8,138.00
tblVehicleTrips	SU_TR	0.00	3,486.00
tblVehicleTrips	WD_TR	6.65	0.00
tblVehicleTrips	WD_TR	127.15	0.00
tblVehicleTrips	WD_TR	42.70	0.00
tblVehicleTrips	WD_TR	102.24	0.00
tblVehicleTrips	WD_TR	0.00	6,143.00

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tblVehicleTrips	WD_TR	0.00	2,384.00
tblWoodstoves	NumberCatalytic	16.55	0.00
tblWoodstoves	NumberNoncatalytic	16.55	0.00

2.0 Emissions Summary

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Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	2-15-2021	5-14-2021	0.0029	0.0029
		Highest	0.0029	0.0029

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	1.8244	0.0395	3.4281	1.8000e-004		0.0190	0.0190		0.0190	0.0190	0.0000	5.6027	5.6027	5.4300e-003	0.0000	5.7385
Energy	0.0334	0.2947	0.1893	1.8200e-003		0.0231	0.0231		0.0231	0.0231	0.0000	3,957.7689	3,957.7689	0.0920	0.0238	3,967.1570
Mobile	2.0165	9.3935	21.1984	0.0771	6.3358	0.0564	6.3922	1.6978	0.0524	1.7501	0.0000	7,137.5172	7,137.5172	0.3555	0.0000	7,146.4048
Stationary	0.0197	0.0881	0.0502	9.0000e-005		2.9000e-003	2.9000e-003		2.9000e-003	2.9000e-003	0.0000	9.1391	9.1391	1.2800e-003	0.0000	9.1712
Waste						0.0000	0.0000		0.0000	0.0000	124.1006	0.0000	124.1006	7.3341	0.0000	307.4539
Water						0.0000	0.0000		0.0000	0.0000	10.3461	326.7894	337.1356	1.0704	0.0267	371.8478
Total	3.8940	9.8158	24.8660	0.0792	6.3358	0.1013	6.4371	1.6978	0.0973	1.7951	134.4467	11,436.8174	11,571.2641	8.8587	0.0505	11,807.7731

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2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	1.8244	0.0395	3.4281	1.8000e-004		0.0190	0.0190		0.0190	0.0190	0.0000	5.6027	5.6027	5.4300e-003	0.0000	5.7385
Energy	0.0334	0.2947	0.1893	1.8200e-003		0.0231	0.0231		0.0231	0.0231	0.0000	3,938.1982	3,938.1982	0.0915	0.0237	3,947.5462
Mobile	2.0165	9.3935	21.1984	0.0771	6.3358	0.0564	6.3922	1.6978	0.0524	1.7501	0.0000	7,137.5172	7,137.5172	0.3555	0.0000	7,146.4048
Stationary	0.0197	0.0881	0.0502	9.0000e-005		2.9000e-003	2.9000e-003		2.9000e-003	2.9000e-003	0.0000	9.1391	9.1391	1.2800e-003	0.0000	9.1712
Waste						0.0000	0.0000		0.0000	0.0000	31.0251	0.0000	31.0251	1.8335	0.0000	76.8635
Water						0.0000	0.0000		0.0000	0.0000	8.2769	261.4315	269.7084	0.8563	0.0214	297.4782
Total	3.8940	9.8158	24.8660	0.0792	6.3358	0.1013	6.4371	1.6978	0.0973	1.7951	39.3021	11,351.8889	11,391.1909	3.1436	0.0450	11,483.2024

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	70.77	0.74	1.56	64.51	10.78	2.75

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2.3 Vegetation

Vegetation

	CO2e
Category	MT
New Trees	58.7640
Total	58.7640

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Pre-Demolition Abatement	Site Preparation	2/15/2021	2/15/2021	5	1	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

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Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Pre-Demolition Abatement	Forklifts	1	8.00	247	0.40

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Pre-Demolition Abatement	1	13.00	0.00	10.00	14.70	6.90	24.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Pre-Demolition Abatement - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.2000e-004	2.2500e-003	1.1600e-003	0.0000		9.0000e-005	9.0000e-005		8.0000e-005	8.0000e-005	0.0000	0.3741	0.3741	1.2000e-004	0.0000	0.3771
Total	2.2000e-004	2.2500e-003	1.1600e-003	0.0000	0.0000	9.0000e-005	9.0000e-005	0.0000	8.0000e-005	8.0000e-005	0.0000	0.3741	0.3741	1.2000e-004	0.0000	0.3771

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3.2 Pre-Demolition Abatement - 2021

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	4.0000e-005	1.4700e-003	3.2000e-004	0.0000	1.0000e-004	0.0000	1.1000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.4378	0.4378	3.0000e-005	0.0000	0.4385
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.0000e-005	2.0000e-005	2.3000e-004	0.0000	7.0000e-005	0.0000	7.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0621	0.0621	0.0000	0.0000	0.0622
Total	7.0000e-005	1.4900e-003	5.5000e-004	0.0000	1.7000e-004	0.0000	1.8000e-004	5.0000e-005	0.0000	5.0000e-005	0.0000	0.4999	0.4999	3.0000e-005	0.0000	0.5007

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.2000e-004	2.2500e-003	1.1600e-003	0.0000		9.0000e-005	9.0000e-005		8.0000e-005	8.0000e-005	0.0000	0.3741	0.3741	1.2000e-004	0.0000	0.3771
Total	2.2000e-004	2.2500e-003	1.1600e-003	0.0000	0.0000	9.0000e-005	9.0000e-005	0.0000	8.0000e-005	8.0000e-005	0.0000	0.3741	0.3741	1.2000e-004	0.0000	0.3771

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3.2 Pre-Demolition Abatement - 2021

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	4.0000e-005	1.4700e-003	3.2000e-004	0.0000	1.0000e-004	0.0000	1.1000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.4378	0.4378	3.0000e-005	0.0000	0.4385
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.0000e-005	2.0000e-005	2.3000e-004	0.0000	7.0000e-005	0.0000	7.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0621	0.0621	0.0000	0.0000	0.0622
Total	7.0000e-005	1.4900e-003	5.5000e-004	0.0000	1.7000e-004	0.0000	1.8000e-004	5.0000e-005	0.0000	5.0000e-005	0.0000	0.4999	0.4999	3.0000e-005	0.0000	0.5007

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	2.0165	9.3935	21.1984	0.0771	6.3358	0.0564	6.3922	1.6978	0.0524	1.7501	0.0000	7,137.5172	7,137.5172	0.3555	0.0000	7,146.4048
Unmitigated	2.0165	9.3935	21.1984	0.0771	6.3358	0.0564	6.3922	1.6978	0.0524	1.7501	0.0000	7,137.5172	7,137.5172	0.3555	0.0000	7,146.4048

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	0.00	0.00	0.00		
Enclosed Parking with Elevator	0.00	0.00	0.00		
High Turnover (Sit Down Restaurant)	0.00	0.00	0.00		
Regional Shopping Center	0.00	0.00	0.00		
Supermarket	0.00	0.00	0.00		
User Defined Commercial	6,143.00	8,862.00	8138.00	16,574,282	16,574,282
User Defined Parking	2,384.00	3,806.00	3486.00	99,902	99,902
Total	8,527.00	12,668.00	11,624.00	16,674,185	16,674,185

4.3 Trip Type Information

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Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Mid Rise	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0
Enclosed Parking with Elevator	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0
High Turnover (Sit Down	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0
Regional Shopping Center	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0
Supermarket	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0
User Defined Commercial	0.00	6.68	0.00	0.00	100.00	0.00	100	0	0
User Defined Parking	0.00	0.10	0.00	0.00	100.00	0.00	100	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.550151	0.042593	0.202457	0.116946	0.015037	0.005825	0.021699	0.034933	0.002123	0.001780	0.004876	0.000710	0.000868
Enclosed Parking with Elevator	0.550151	0.042593	0.202457	0.116946	0.015037	0.005825	0.021699	0.034933	0.002123	0.001780	0.004876	0.000710	0.000868
High Turnover (Sit Down Restaurant)	0.550151	0.042593	0.202457	0.116946	0.015037	0.005825	0.021699	0.034933	0.002123	0.001780	0.004876	0.000710	0.000868
Regional Shopping Center	0.550151	0.042593	0.202457	0.116946	0.015037	0.005825	0.021699	0.034933	0.002123	0.001780	0.004876	0.000710	0.000868
Supermarket	0.550151	0.042593	0.202457	0.116946	0.015037	0.005825	0.021699	0.034933	0.002123	0.001780	0.004876	0.000710	0.000868
User Defined Commercial	0.550151	0.042593	0.202457	0.116946	0.015037	0.005825	0.021699	0.034933	0.002123	0.001780	0.004876	0.000710	0.000868
User Defined Parking	0.550151	0.042593	0.202457	0.116946	0.015037	0.005825	0.021699	0.034933	0.002123	0.001780	0.004876	0.000710	0.000868

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Install Energy Efficient Appliances

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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr										MT/yr						
Electricity Mitigated							0.0000	0.0000		0.0000	0.0000	0.0000	3,607.5709	3,607.5709	0.0852	0.0176	3,614.9541
Electricity Unmitigated							0.0000	0.0000		0.0000	0.0000	0.0000	3,627.1416	3,627.1416	0.0857	0.0177	3,634.5649
NaturalGas Mitigated	0.0334	0.2947	0.1893	1.8200e-003			0.0231	0.0231		0.0231	0.0231	0.0000	330.6274	330.6274	6.3400e-003	6.0600e-003	332.5921
NaturalGas Unmitigated	0.0334	0.2947	0.1893	1.8200e-003			0.0231	0.0231		0.0231	0.0231	0.0000	330.6274	330.6274	6.3400e-003	6.0600e-003	332.5921

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5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Mid Rise	3.05081e+006	0.0165	0.1406	0.0598	9.0000e-004		0.0114	0.0114		0.0114	0.0114	0.0000	162.8027	162.8027	3.1200e-003	2.9800e-003	163.7701
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
High Turnover (Sit Down Restaurant)	1.7307e+006	9.3300e-003	0.0848	0.0713	5.1000e-004		6.4500e-003	6.4500e-003		6.4500e-003	6.4500e-003	0.0000	92.3567	92.3567	1.7700e-003	1.6900e-003	92.9056
Regional Shopping Center	21995.7	1.2000e-004	1.0800e-003	9.1000e-004	1.0000e-005		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005	0.0000	1.1738	1.1738	2.0000e-005	2.0000e-005	1.1808
Supermarket	1.39222e+006	7.5100e-003	0.0683	0.0573	4.1000e-004		5.1900e-003	5.1900e-003		5.1900e-003	5.1900e-003	0.0000	74.2942	74.2942	1.4200e-003	1.3600e-003	74.7356
User Defined Commercial	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
User Defined Parking	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0334	0.2948	0.1893	1.8300e-003		0.0231	0.0231		0.0231	0.0231	0.0000	330.6274	330.6274	6.3300e-003	6.0500e-003	332.5921

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5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Mid Rise	3.05081e+006	0.0165	0.1406	0.0598	9.0000e-004		0.0114	0.0114		0.0114	0.0114	0.0000	162.8027	162.8027	3.1200e-003	2.9800e-003	163.7701
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
High Turnover (Sit Down Restaurant)	1.7307e+006	9.3300e-003	0.0848	0.0713	5.1000e-004		6.4500e-003	6.4500e-003		6.4500e-003	6.4500e-003	0.0000	92.3567	92.3567	1.7700e-003	1.6900e-003	92.9056
Regional Shopping Center	21995.7	1.2000e-004	1.0800e-003	9.1000e-004	1.0000e-005		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005	0.0000	1.1738	1.1738	2.0000e-005	2.0000e-005	1.1808
Supermarket	1.39222e+006	7.5100e-003	0.0683	0.0573	4.1000e-004		5.1900e-003	5.1900e-003		5.1900e-003	5.1900e-003	0.0000	74.2942	74.2942	1.4200e-003	1.3600e-003	74.7356
User Defined Commercial	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
User Defined Parking	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0334	0.2948	0.1893	1.8300e-003		0.0231	0.0231		0.0231	0.0231	0.0000	330.6274	330.6274	6.3300e-003	6.0500e-003	332.5921

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5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	1.31079e+006	730.0577	0.0172	3.5700e-003	731.5518
Enclosed Parking with Elevator	2.33462e+006	1,300.2958	0.0307	6.3500e-003	1,302.9570
High Turnover (Sit Down Restaurant)	331050	184.3821	4.3500e-003	9.0000e-004	184.7595
Regional Shopping Center	181062	100.8446	2.3800e-003	4.9000e-004	101.0510
Supermarket	2.35485e+006	1,311.5615	0.0310	6.4100e-003	1,314.2457
User Defined Commercial	0	0.0000	0.0000	0.0000	0.0000
User Defined Parking	0	0.0000	0.0000	0.0000	0.0000
Total		3,627.1416	0.0857	0.0177	3,634.5649

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5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	1.27565e+006	710.4870	0.0168	3.4700e-003	711.9411
Enclosed Parking with Elevator	2.33462e+006	1,300.2958	0.0307	6.3500e-003	1,302.9570
High Turnover (Sit Down Restaurant)	331050	184.3821	4.3500e-003	9.0000e-004	184.7595
Regional Shopping Center	181062	100.8446	2.3800e-003	4.9000e-004	101.0510
Supermarket	2.35485e+006	1,311.5615	0.0310	6.4100e-003	1,314.2457
User Defined Commercial	0	0.0000	0.0000	0.0000	0.0000
User Defined Parking	0	0.0000	0.0000	0.0000	0.0000
Total		3,607.5709	0.0852	0.0176	3,614.9541

6.0 Area Detail

6.1 Mitigation Measures Area

- Use Low VOC Paint - Residential Interior
- Use Low VOC Paint - Residential Exterior
- Use Low VOC Paint - Non-Residential Interior
- Use Low VOC Paint - Non-Residential Exterior
- No Hearths Installed

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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	1.8244	0.0395	3.4281	1.8000e-004		0.0190	0.0190		0.0190	0.0190	0.0000	5.6027	5.6027	5.4300e-003	0.0000	5.7385
Unmitigated	1.8244	0.0395	3.4281	1.8000e-004		0.0190	0.0190		0.0190	0.0190	0.0000	5.6027	5.6027	5.4300e-003	0.0000	5.7385

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.1515					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	1.5687					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.1041	0.0395	3.4281	1.8000e-004		0.0190	0.0190		0.0190	0.0190	0.0000	5.6027	5.6027	5.4300e-003	0.0000	5.7385
Total	1.8244	0.0395	3.4281	1.8000e-004		0.0190	0.0190		0.0190	0.0190	0.0000	5.6027	5.6027	5.4300e-003	0.0000	5.7385

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6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.1515					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	1.5687					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.1041	0.0395	3.4281	1.8000e-004		0.0190	0.0190		0.0190	0.0190	0.0000	5.6027	5.6027	5.4300e-003	0.0000	5.7385
Total	1.8244	0.0395	3.4281	1.8000e-004		0.0190	0.0190		0.0190	0.0190	0.0000	5.6027	5.6027	5.4300e-003	0.0000	5.7385

7.0 Water Detail

7.1 Mitigation Measures Water

Apply Water Conservation Strategy

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	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	269.7084	0.8563	0.0214	297.4782
Unmitigated	337.1356	1.0704	0.0267	371.8478

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7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	21.566 / 13.5959	247.3722	0.7084	0.0178	270.3774
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
High Turnover (Sit Down Restaurant)	2.2765 / 0.145309	18.1310	0.0746	1.8400e-003	20.5431
Regional Shopping Center	0.993313 / 0.608804	11.2860	0.0326	8.2000e-004	12.3454
Supermarket	7.77576 / 0.240487	60.3463	0.2547	6.2700e-003	68.5820
User Defined Commercial	0 / 0	0.0000	0.0000	0.0000	0.0000
User Defined Parking	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		337.1356	1.0704	0.0267	371.8478

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7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	17.2528 / 10.8768	197.8978	0.5667	0.0142	216.3019
Enclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
High Turnover (Sit Down Restaurant)	1.8212 / 0.116247	14.5048	0.0597	1.4700e-003	16.4345
Regional Shopping Center	0.79465 / 0.487044	9.0288	0.0261	6.5000e-004	9.8763
Supermarket	6.22061 / 0.19239	48.2771	0.2038	5.0100e-003	54.8656
User Defined Commercial	0 / 0	0.0000	0.0000	0.0000	0.0000
User Defined Parking	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		269.7084	0.8563	0.0213	297.4783

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

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Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	31.0251	1.8335	0.0000	76.8635
Unmitigated	124.1006	7.3341	0.0000	307.4539

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8.2 Waste by Land Use**Unmitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	152.26	30.9074	1.8266	0.0000	76.5718
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
High Turnover (Sit Down Restaurant)	89.25	18.1169	1.0707	0.0000	44.8840
Regional Shopping Center	14.08	2.8581	0.1689	0.0000	7.0809
Supermarket	355.77	72.2181	4.2680	0.0000	178.9173
User Defined Commercial	0	0.0000	0.0000	0.0000	0.0000
User Defined Parking	0	0.0000	0.0000	0.0000	0.0000
Total		124.1005	7.3341	0.0000	307.4539

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8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	38.065	7.7269	0.4566	0.0000	19.1430
Enclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
High Turnover (Sit Down Restaurant)	22.3125	4.5292	0.2677	0.0000	11.2210
Regional Shopping Center	3.52	0.7145	0.0422	0.0000	1.7702
Supermarket	88.9425	18.0545	1.0670	0.0000	44.7293
User Defined Commercial	0	0.0000	0.0000	0.0000	0.0000
User Defined Parking	0	0.0000	0.0000	0.0000	0.0000
Total		31.0251	1.8335	0.0000	76.8635

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
Emergency Generator	2	1	12	1000	0.73	Diesel

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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10.1 Stationary Sources

Unmitigated/Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Equipment Type	tons/yr										MT/yr					
Emergency Generator - Diesel (750 - 9999 HP)	0.0197	0.0881	0.0502	9.0000e-005		2.9000e-003	2.9000e-003		2.9000e-003	2.9000e-003	0.0000	9.1391	9.1391	1.2800e-003	0.0000	9.1712
Total	0.0197	0.0881	0.0502	9.0000e-005		2.9000e-003	2.9000e-003		2.9000e-003	2.9000e-003	0.0000	9.1391	9.1391	1.2800e-003	0.0000	9.1712

11.0 Vegetation

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	Total CO2	CH4	N2O	CO2e
Category	MT			
Unmitigated	58.7640	0.0000	0.0000	58.7640

11.2 Net New Trees

Species Class

	Number of Trees	Total CO2	CH4	N2O	CO2e
		MT			
Miscellaneous	83	58.7640	0.0000	0.0000	58.7640
Total		58.7640	0.0000	0.0000	58.7640